



IO-LINK MODULE K20, DIGITAL, 4DI, IP67,
4 X 1 INPUT, SENSOR SUPPLY MAX. 200 MA,
2 X M12-SOCKET Y-ASSIGNMENT

General technical data:

Product designation		IO-Link module K20
Design of the product		4 digital inputs
Type of display • as status display of the inputs • as status display of the input • as status display of the input		green LED for each channel green/red dual LED green/red dual LED
Evaluable diagnostic message / via input/ output link		overload/short-circuit sensor supply, internal error
Protection class IP		IP67
Product function / control circuit interface with IO link		Yes
Type of voltage supply / via input/ output link master		Yes
Installation altitude / at a height over sea level / maximum	m	4,000
Ambient temperature • during storage • during operating	°C °C	-40 ... +85 -25 ... +70
EMC immunity to interference / according to IEC 60947-1		ambience A (industrial sector)
EMC emitted interference / according to IEC 60947-1		CISPR11, ambience A (industrial sector)
Reference code • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		A

- according to DIN EN 61346-2

K

Inputs/Outputs/Interfaces:

Number of digital inputs

4

Number of digital outputs

0

Type of parameterisation

- of the input delay time
- of the inverting of the input signal

adjustable for each module (1 ms, 3 ms, 15 ms, 20 ms)
adjustable for each input

Current-carrying capacity / of the sensor supply

- maximum
- of the bushing 1 to 4 / maximum

mA

200

mA

200

Input current / at the digital input

- initial value for signal<1>-recognition
- final value for signal<0>-recognition

mA

11

mA

1.5

Input voltage / at the digital input 1

- initial value for signal<1>-recognition

V

10

Supply voltage:

Type of / supply voltage

DC

Supply voltage

- 1 / for DC / rated value
- for DC / rated value
 - minimum permissible
 - maximum permissible

V

24

V

18

V

30

Installation/mounting/dimensions:

Mounting type

frontal or lateral wall mounting

Width

mm

20

Height

mm

108

Depth

mm

45

Connections:

Number of the input/ output bushing

2

Design of the pin assignment / of the inputs

Y assignment

Pin assignment

- of the bushing 1 at the PIN 1
- of the bushing 1 at the PIN 2
- of the bushing 1 at the PIN 3
- of the bushing 1 at the PIN 4
- of the bushing 1 at the PIN 5
- of the bushing 2 at the PIN 1

sensor supply +
IN2
sensor supply -
IN1
not assigned
sensor supply +

- of the bushing 2 at the PIN 2
- of the bushing 2 at the PIN 3
- of the bushing 2 at the PIN 4
- of the bushing 2 at the PIN 5

IN4
sensor supply -
IN3
not assigned

Certificates/approvals:

Verification of suitability

CE

General Product Approval

Declaration of Conformity



other

[Confirmation](#)

[Environmental
Confirmations](#)

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

CAX-Online-Generator

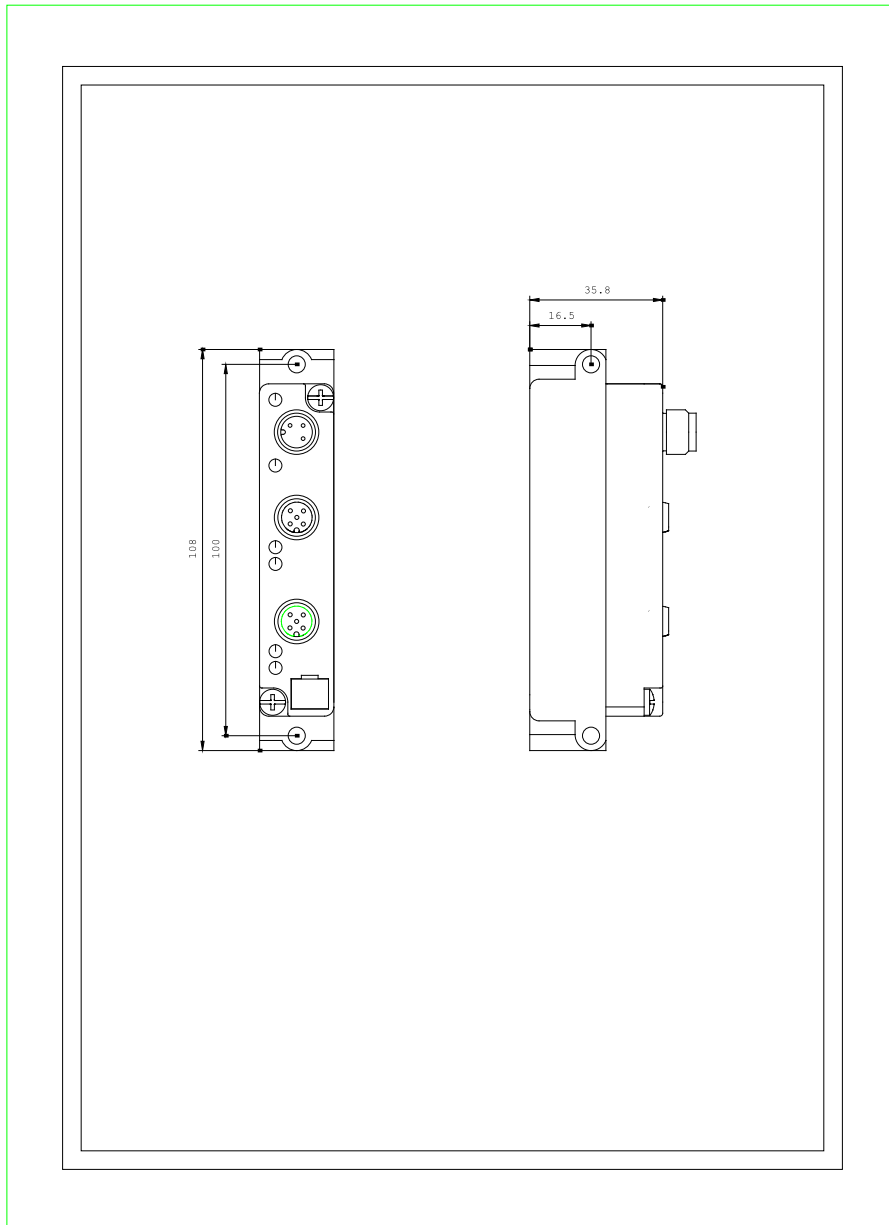
<http://www.siemens.com/cax>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RK5010-0BA10-0AA0/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK5010-0BA10-0AA0



last change:

Jul 21, 2014